EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16	orthogonal same eye adj diagram	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 20:50
L2	429	interpolat$3 with phase with quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L3	1	((interpolat$3 with phase with adjust$3) same quadrature) and (eye with diagram)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L4	8996	chip adj die	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L5	68	(clock adj recovery) with (phase adj interpolator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L6	190	(clock adj recovery) and (interpolator) and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L7	1	L6 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11

EAST Search History

L8	365	interpolator and (phase near3 adjust$3) and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L9	1	L8 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L10	251	polyphase adj filter with interpolat$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L11	0	("2004/0037366").URPN.	USPAT	OR	ON	2007/12/29 21:11
L12	0	interpolator with correlator and pliphase	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L13	66	((interpolat$3 and phase and adjust$3) and quadrature) and (eye adj diagram)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L14	1	L13 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L15	0	("2004/0037366").URPN.	USPAT	OR	ON	2007/12/29 21:11
L16	0	polyphase adj filter with interpolator with adjust with phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11

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L17	0	polyphase adj filter with interpolat$3 with adjust with phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L18	1	10/748236	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L19	1	interpolat$3 with phase with quadrature with adjust$3 and (eye with diagram)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L20	1	interpolator with correlator and quadrature and clock adj recovery	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L21	15	interpolat$3 with phase with quadrature with adjust$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L22	36	(clock adj recovery) and (phase adj interpolator) and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L23	3441	375/371	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L24	2	"5,065,409".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11

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L25	101	interpolator same (phase near3 adjust$3) and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L26	23	L23 and L25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L27	4403	375/354	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L28	4510	((interpolat$3 and phase and adjust$3) and quadrature)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L29	0	interpolator with correlator and pliphaseo	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L30	0	interpolator with correlator and "poly-phase"	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L31	74	polyphase adj filter with interpolat$3 same phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L32	2	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11

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L33	1	(clock adj recovery) with (interpolator) with quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L34	68	(clock adj recovery) with (phase adj interpolator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L35	1	L34 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L36	2	"6,359,878".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L37	6	((interpolat$3 same phase same adjust$3) same quadrature) and (eye with diagram)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L38	2	"4805191".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L39	2	"5,872,836".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11

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L40	2	"5,724,413".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L41	12	(clock adj recovery) with (phase adj interpolator) and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L42	11	L27 and L25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L43	25	L27 and L6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L44	2	"6731697".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L45	2	"6,097,794".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L46	14	(clock adj recovery) same (phase adj interpolator) and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11

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L47	23	("4692931" | "4815103" | "5016206" | "5093841" | "5202901" | "5255289" | "5259005" | "5283815" | "5309482" | "5311544" | "5343498" | "5425057" | "5504785").PN. OR ("5602879").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L48	38	("5386239" | "5504785" | "5535252" | "5610948" | "5612975" | "5724396" | "5793818").PN. OR ("5878088").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L49	54	(clock adj recovery) with (phase with interpolator) and quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L50	93	interpolator with correlator	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L51	12	(clock adj recovery) same (interpolator) same quadrature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L52	3	"6,671,342".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L53	23	("4692931" | "4815103" | "5016206" | "5093841" | "5202901" | "5255289" | "5259005" | "5283815" | "5309482" | "5311544" | "5343498" | "5425057" | "5504785").PN. OR ("5602879").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L54	10	interpolator with correlator and polyphase	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L55	9	interpolator and correlator and "poly-phase"	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L56	4	L28 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11

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L57	41	interpolator with correlator and quadrature	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L58	7	interpolator with polyphase and clock adj recovery	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L59	2	L2 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L60	7	(interpolat$3 with phase with quadrature with adjust$3).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L61	126	interpolator with polyphase	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/29 21:11
L62	12	(interpolator and phase and quadrature and adjust and "in-phase").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L63	2	"20030104798".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L64	2	"5745392".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L65	37	polyphase adj filter with interpolat$3 with phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11

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L66	2	"5878088".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L67	2	"6898252".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L68	2	"6172939".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:11
L69	7	orthogonal with eye adj diagram	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:40
L75	16	orthogonal same eye adj diagram	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:45
L76	5	(orthogonal and eye adj diagram).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:46
L77	0	(orthogonal same eye adj diagram).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/29 21:46

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1. **Linear optical sampling**
C. Dorrer; D.C. Kilper; H.R. Stuart; G. Raybon; M.G. Raymer;
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Volume 15, Issue 12, Dec. 2003 Page(s):1746 - 1748
Digital Object Identifier 10.1109/LPT.2003.819729
AbstractPlus | Full Text: PDF(251 KB) IEEE JNL
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2. **Improved dynamic characteristics on four-wave mixing wavelength conv SOAs**
Jyh-Tsung Hsieh; Pei-Miin Gong; San-Liang Lee; Jingshown Wu;
Selected Topics in Quantum Electronics, IEEE Journal of
Volume 10, Issue 5, Sept.-Oct. 2004 Page(s):1187 - 1196
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3. **Narrow-bandwidth polarization-scrambling technique using delay-coupl carrier-distributed WDM networks**
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Lightwave Technology, Journal of
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4. **An experiment of optical heterodyne transmission with polarization mod bitrate and 1550 nm wavelength**
Calvani, R.; Caponi, R.; Delpiano, F.; Marone, G.;
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2-5 Dec 1991 Page(s):1587 - 1591 vol.3
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Circuits and Systems, 1993., ISCAS '93, 1993 IEEE International Symposium
3-6 May 1993 Page(s):2007 - 2010 vol.3

Digital Object Identifier 10.1109/ISCAS.1993.394147

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6. **Performance Comparison of High Speed LAN Optical CDMA Systems at**
Gupta, Neena; Saxena, Divyesh Mohan;
Transparent Optical Networks, 2007. ICTON '07. 9th International Conference
Volume 1, 1-5 July 2007 Page(s):127 - 131
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1. Programmable phase interpolator adjustment for ideal data eye sampling
Koenenkamp, Ingo (Intel Corporation), *UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*, Jul 2005
patno:US20050147194
...in-phase and **quadrature** signals are...crossing in the **eye diagram**. Because the...generated to have an **orthogonal** phase relationship...necessarily cause the **quadrature** signal phase...point in the **eye diagram**. This additional...their previous **orthogonal** relationship...in-phase and **quadrature** signals. The...Because of the **orthogonal** relationship...signals onto the **eye diagram** after the first...
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2. Single sideband and quadrature multiplexed continuous phase modulation
Fonseka, John P. / Dowling, Eric Morgan (TRELLIS PHASE COMMUNICATIONS, LP), *UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*, Apr 2007
patno:US20070092018
...Date Rate (DDR) SSB-CPM [0060] VI. **Quadrature** Multiplexed CPM (QM-CPM) [0061] VII. Multi-amplitude **Quadrature**-Multiplexed CPM (MQM-CPM) [0062] VIII...itself to SSB processing and/or the **quadrature** multiplexing of two such signals onto...
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Håkonsen, Greg Harald , Jan 2007
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4. A fully integrated 24-GHz phased-array transmitter in CMOS
Natarajan, Arun / Komijani, Abbas / Hajimiri, Ali, *article,* Dec 2005
...educational, research and **non**-commercial reproduction, distribution...transmitter has a two-step **quadrature** up-conversion architecture...approximation is to use a normalized **orthogonal** frequency division multiplexing...channels, with the subcarriers **orthogonal**. The baseband dig- ital data...
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5. ESTIMATING BIT ERROR RATE PERFORMANCE OF SIGNALS
MILLER, Martin T. (LECROY CORPORATION), *PATENT COOPERATION TREATY APPLICATION*, Apr 2007
patno:WO07047613
...rates for sampled repeating or **non**-repeating data patterns. [0012...shows an exemplary plot of an **eye diagram**. [0017] FIG. 3 shows a flowchart...exemplary analysis of signals with **non**- repeating patterns. [0025...that is either repetitive or **non**-repetitive. The input signal...
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6. MEASURING COMPONENTS OF JITTER
MILLER, Martin Thomas (LECROY CORPORATION), *PATENT COOPERATION TREATY APPLICATION*, Aug 2006
patno:WO06091810
...may be refined into **orthogonal** components that are...shows an exemplary **eye diagram** that a digital oscilloscope...analysis of signals with **non**-repeating patterns...transformation (FFT), and **interpolation**). In various embodiments...devices, including a **non**-volatile memory (NVM...store the data for an **eye diagram** generated for a repetitive...
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7. Adaptive equalization of a radio frequency amplifier
Abascal, Carlos. , Jan 2003
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8. Orthogonal Frequency-Division Multiplexing (OFDM) [238K]
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...signal consists of **orthogonal** subcarriers modulated by...subcarriers on **orthogonal**. The signal (2) separates...Figure 1 illustrates the **quadrature** component of some of the...because of amplifier **non**-linearities. Section 3 discusses...sampling of the in-phase and **quadrature** components of the OFDM symbol...dispersion destroys the **orthogonality** between subcarriers and...
[http://www.s3.kth.se/signal/grad/OFDM/URSIOFDM9808.htm]
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9. FRAME-BASED CARRIER FREQUENCY AND PHASE RECOVERY SYSTEM AND METHOD
THESLING, William / MO, Fan (EFFICIENT CHANNEL CODING, INC.), *PATENT COOPERATION TREATY APPLICATION*, Apr 2006
patno:WO06039550
...consecutive frames resulting in different **eye diagram** characteristics. A terminal with a...as a sine wave in the in-phase and **quadrature** values. If there is no frequency error...wavei subzero, and the in-phase and **quadrature** values are relatively constant and...complex Fast Fourier Transforms, **interpolation**, or sine and cosine correlators. The...
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10. QAMOFDM 1999/11/15 page i Single and Multicarrier Quadrature... [PS-8MB]
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Miller, Martin (LeCroy Corporation), *UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*, Jun 2007
patno:US20070136012
...either repetitive or **non**-repetitive. The input...transformation (FFT), and **interpolation**). In various embodiments...devices, including a **non**-volatile memory (NVM...store the data for an **eye diagram** generated for a repetitive...using, for example, **quadrature** subtraction) horizontal...operator can view an **eye diagram** that visually illustrates...
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12. Measuring components of jitter
Miller, Martin Thomas, *UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*, Nov 2006
patno:US20060251200
...either repetitive or **non**-repetitive. The input...transformation (FFT), and **interpolation**). In various embodiments...devices, including a **non**-volatile memory (NVM...store the data for an **eye diagram** generated for a repetitive...using, for example, **quadrature** subtraction) horizontal...operator can view an **eye diagram** that visually illustrates...
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13. WP1 activities technical report (dec 2003 to nov 2004) In the second... [PDF-10MB]
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...4 1.2 **Non**-linearities LPE model...17 1.4.3 x **Quadrature** direct conversion architecture...a) multiband output of a third-order **non**-linear block, (b) our multi- band approach...17 1.10 Direct **quadrature** upconversion schemes: (a) general passband...
[http://ims.unipv.it/firb/public/RA_WP1_051103_041104.p...]
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14. Frame-based carrier frequency and phase recovery system and method
Thesling, William / Mo, Fan, *UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION*, Mar 2006
patno:US20060067432
...the SOF is a "0", the in-phase and **quadrature** values are not modified. The resulting...as a sine wave in the in-phase and **quadrature** values. If there is no frequency error...wave is zero, and the in-phase and **quadrature** values are relatively constant and...complex Fast Fourier Transforms, **interpolation**, or sine and cosine correlators. The...
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15. An Introduction to Digital Communication Theory: Notes for EE230B... [PDF-34MB]
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...207 9.2.2 **Orthogonal** Modulations...208 9.3 **Orthogonal** Modulation Examples...210 9.3.1 **Orthogonal** Frequency Division Multiplexing...
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16. Gain and phase imbalance compensation for OFDM systems
Mueller, A. Joseph (3Com Corporation), *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Sep 2007
patno:US7274750
...Fourier Transform[0022]IQ In-phase/**Quadrature**[0023]ISI Inter-Symbol Interference...LNA Low Noise Amplifier[0026]OFDM **Orthogonal** Frequency Division Multiplexing...compensator 107 to pre-compensate for **non**-linearities introduced by the PA...in the time-domain using standard **interpolation** techniques or in the frequency domain...A's convert the in-phase 107 and **quadrature** 109 components of the digital baseband...processing. The in phase 143 and 145 **quadrature** components of the signal

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17. Microsoft Word - T3-600r4.doc [PDF-452K]
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...Reception and Processing Considerations 18 September 2003 2 The Advanced Television Systems Committee, Inc., is an international, **non**-profit organization developing voluntary standards for digital television. The ATSC member organizations represent the broadcast...
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1007.9845.32-05-CD I-1 Manual Vector Signal Generator RS SMU200A 1141.2005.02 This manual consists of 2 volumes: Volume 1: Operating Manual - Manual Control Volume 2: Service Manual Volume 1 Printed in the Federal Republic of Germany Test and Measurement Division 1007.9845.
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...and cdma2OOO, where IPN and QPN are the **non**-return to zero, 1±11, real-valued representations...code channel n; Wn (t) is a continuous-time **non**-retum to zero, f± 11, representation of...O) Eq(9b) where m is an integer, and the **non**-ICI assumption of R (mT,) = 0, for all m...
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...124. The operation of the modified **quadrature** synchronous detector 10 illustrated...corresponds generally to that of the **quadrature** synchronous detector 10' illustrated...oscilloscope in which the modified **quadrature** synchronous detector 10 is implemented...circuit 126 and/or upon appropriate **interpolation** between samples to accurately provide...

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LAYBOURN, Loren / BLAHUT, Richard E. / RUSSELL, James T. (INFORMATION OPTICS CORPORATION), *PATENT COOPERATION TREATY APPLICATION*, Nov 1997
patno:WO9743730
...and a linear **interpolation** of the peak...along the other **orthogonal** axis. Additional...in-phase and **quadrature** spatial reference...in-phase and **quadrature** spatial reference...respect to the **orthogonal** sensor co-ordinates...direction, linear **interpolation**'is used to set...Figure 25 is an **eye diagram** showing the...noise. data spot **interpolation** and pulse slimming...
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patno:US20020131479
...jQPN(t) for IS-95 and cdma2000, where IPN and QPN are the **non**-return to zero, [±1], real-valued representations of the pseudo-noise...cdma2000 for code channel n; [0041] Wn(t) is a continuous-time **non**-return to zero, [±1], representation of the Walsh code for code...
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...s to remain at the central office where they can be closely monitored and maintained. Finally, as it is built on a full-rate **non**-blocking architecture, it will not impede the widespread deployment of high bandwidth technologies like DIV. [0092] The arrangement...
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